

ABSTRACT

1 Method and apparatus for evaluating one or more materials
2 in accordance with size of particles. The method includes
3 evaluating a spectrum of light reflected from a first
4 group of particles; evaluating a spectrum of light
5 reflected from a second group of particle; comparing
6 results of said evaluating of said first group with
7 results of said evaluating of said second group; and
8 providing an indication of a state of said material when
9 said comparing produces a predetermined comparison
10 result. Distance between a first light conductor for
11 conducting light to the particles and a second light
12 conductor for conducting light from said particles for
13 said evaluations may be varied. Monitoring of a process
14 for changes in particle size as a function of time or to
15 determine various physical and/or chemical
16 characteristics of the particles or a mixture containing
17 same, including homogeneity, may be achieved.